

**TECHNICAL MANUAL**

**ORGANIZATIONAL, DIRECT SUPPORT AND  
GENERAL SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LISTS  
(INCLUDING DEPOT MAINTENANCE REPAIR  
PARTS AND SPECIAL TOOLS)**

**AIR CONDITIONER, 25,000 BTU  
ELECTRIC MOTOR DRIVEN,  
120/208V, 3 PHASE, 50/60 HZ,  
4 WIRE, ELLIS WATTS  
MODEL MOAC-336**

**NSN 4120-01-030-6883**

This copy is a reprint which includes current  
pages from Change 1.

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TO 35E9-179-14  
C 1

CHANGE }  
NO. 1 }

HEADQUARTERS  
DEPARTMENTS OF THE ARMY AND  
AIR FORCE  
WASHINGTON, D.C., 20 June 1988

Organizational, Direct Support and  
General Support Maintenance  
Repair Parts and Special Tools Lists  
(Including Depot Maintenance Repair  
Parts and Special Tools)

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Technical Manual }  
NO. 5-4120-343-24P }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, D. C., 13 June 1979

**ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT  
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)  
FOR  
AIR CONDITIONER, 25,000 BTU,  
(ELLIS AND WATTS MODEL MOAC-336)  
NSN 4120-01-030-6883**

Current as of 13 June 1979

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You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U. S. Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MTPS, 4300 Goodfellow Boulevard, St. Louis, MO 63120. A reply will be furnished directly to you.

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## Section I. INTRODUCTION

1. **Scope.** This manual lists repair parts, special tools, test, measurement, and diagnostic equipment (TMDE), and other support equipment required for operation and performance of organizational, direct support, general support and depot maintenance of the Air Conditioner.

### 2. General.

*a. Section II - Repair Parts List.* A list of repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of assembly groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence, as the last group in Section II.

*b. Section II - Special Tools List.* (Not applicable)

*c. Section IV - National Stock Number and Part Number Index.* A list, in NIIN (National Item Identification Number) sequence, of all National Stock Numbers appearing in the listings, followed by a list, in alphanumeric sequence, of part numbers appearing in the listings. National Stock Number and part numbers are cross-referenced to each illustration figure and item number appearance.

3. **Explanation of Columns.** The following provides an explanation of columns found in the tabular listings:

*a. Illustration.* This column is divided as follows:

(1) **Figure Number.** Indicates the figure number of the illustration in which the item is shown.

(2) **Item Number.** The number used to identify each item called out in the illustration.

*b. Source, Maintenance, and Recoverability Codes (SMR).*

(1) **Source Code.** Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	Definition
PA	Item procured and stocked for anticipated or known usage.

PB	Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
KD	An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at the direct support maintenance level.
MH	Item to be manufactured or fabricated at the general support maintenance level.
MD	Item to be manufactured or fabricated at the depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.

AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.
XD	A support item that is not stocked. When required, item will be procured through normal supply channels.

**NOTE**

*Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA or XD.*

(2) **Maintenance Code.** Maintenance codes are assigned to indicate the levels of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the fourth position will indicate one of the following levels of maintenance.

Code	Application/Explanation
C	Crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replaced, used at the organizational level.
I	Support item is removed, replaced, used by the direct support element of integrated direct support maintenance.
F	Support item is removed, replaced, used at the direct support level.
H	Support item is removed, replaced, used at the general support level.
O	Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

**NOTE**

*Codes "I" and "F" will be considered the same by direct support units.*

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	Application/Explanation
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
D	The lowest maintenance level capable of complete repair of the support item is the depot level.
L	Repair restricted to designated specialized repair activity.
Z	Nonreparable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) **Recoverability Code.** Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability Codes	Definition
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in Position 3.
O	Reparable item. When uneconomically reparable, condemn and dispose at organizational level.

- F      Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.
- H      Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
- D      Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below level.
- L      Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.
- A      Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

*c. National Stock Number.* Indicates the National Stock Number assigned to the item and will be used for requisitioning purposes.

*d. Part Number.* Indicates the primary number used by the manufacturer which controls the design and characteristics of the items.

#### NOTE

*When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.*

*e. Federal Supply Code for Manufacturer (FSCM).* The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

*f. Description.* Indicates the Federal item name and, if required, a minimum description to identify the item. Items that are included in kits and sets are listed below the name of the kit or set with the quantity of each item in the kit or set indicated in the quantity incorporated in unit column. When the part to be used differs between serial numbers of the same model, the effective serial numbers are shown as the last line of the description. In the Special Tools List, the initial basis of issue (BOI) appears as the last line in the entry for each special tools, TMDE, and support equipment.

When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increase accordingly.

*g. Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed items as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc.). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

*h. Quantity Incorporated in Unit.* Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, (e.g. shims, spacers, etc.).

#### 4. Special Information.

*a.* Repair parts kits and gasket sets appear as the last entries in the repair parts listing for the figure in which its parts are listed as repair parts or are listed at the end of the repair parts listing for the last figure containing parts of the kit.

*b.* The following publications pertain to the air conditioner and its components.

TM 5-5420-200-2

Operator Organizational,  
Direct Support and General  
Support Maintenance  
Manual

#### 5. How to Locate Repair Parts.

*a. When National Stock Number or Part Number is Unknown.*

(1) *First.* Using the table of contents, determine the assembly group within which the repair part belongs. This is necessary since illustrations are prepared for assembly groups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the assembly group to which the repair part belongs.

(3) *Third.* Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

*b. When National Stock Number or Part Number is Known.*

(1) *First.* Using the Index of National Stock

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**TO 35E9-179-14**

Numbers and Part Numbers, find the pertinent national stock number or part number. This index is in ascending NSN sequence followed by a list of part numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						SECTION II. REPAIR PARTS LIST I GROUP 01 CHASSIS SECTION		
						USABLE ON CODE		
1	1	X8FZZ		20V2-1	98437	CHASSIS, AIR.....	EA	1
1	2	PAQZZ	5310-00-984-3806	MS51922-9	98906	NUT, SELF-LOCKING.....	EA	12
1	3	PAQZZ	5310-00-087-7493	MS27183-13	98906	WASHER, FLAT.....	EA	24
1	4	X8OZZ		DANIELS621L	71747	BOLT, EYE.....	EA	4
1	5	PAQZZ	5310-00-141-3062	MS27130A26	98906	NUT, PLAIN, BLIND.....	EA	6
1	6	PAQZZ	5310-00-550-5054	MS15795-809	98906	WASHER, FLAT.....	EA	6
1	7	PAQZZ	5310-00-933-8121	MS35338-139	98906	WASHER, LOCK.....	EA	6
1	8	PAQZZ	5305-00-247-1325	MS35234-65	98906	SCREW, MACHINE.....	EA	6
1	9	X8OZZ		20V2-2P1	98437	CABINET, ELECTRICAL.....	EA	1
1	10	PAQZZ	5305-00-225-9081	MS90725-36	98906	SCREW, MACHINE.....	EA	8
1	11	X8FZZ		20V2-2P8	98437	BRACKET, ANGLE.....	EA	4
1	12	PAQZZ	5310-01-009-9785	MS27130-20	98906	NUT, PLAIN, BLIND.....	EA	8
1	13	PAQZZ	5310-00-045-3296	MS35338-43	98906	WASHER, LOCK.....	EA	8
1	14	PAQZZ	5310-00-809-8546	MS27183-8	98906	WASHER, FLAT.....	EA	8
1	15	PAQZZ	5305-00-993-1848	MS35207-265	98906	SCREW, MACHINE.....	EA	8
1	16	X8OZZ		20V2-107M1	98437	GRILLE, METAL.....	EA	1
1	17	PAQZZ	5325-00-282-7471	85-35-295-15	94222	RECEPTACLE, TURNLOCK.....	EA	34
1	18	PAQZZ	5365-00-838-0422	85-34-101-17	94222	RETAINER, STUD.....	EA	34
1	19	PAQZZ	5320-00-582-3522	1601-0410	19738	RIVET, BLIND.....	EA	72
1	20	PAQZZ	5310-00-777-6032	85-46-101-39	94222	WASHER, RECESSED.....	EA	34
1	21	PAQZZ	5325-00-410-3130	14-18-150-24	94222	SPRING, HELICAL.....	EA	34
1	22	PAQZZ	5325-01-021-1121	85-11-980-16	94222	STUD, TURNLOCK.....	EA	30
1	23	X8OZZ		20V1-1P1	98437	COVER, ACCESS.....	EA	1
1	24	PAQZZ	5325-01-021-1928	85-11-1100-16	94222	STUD, TURNLOCK.....	EA	4
1	25	PAQZZ	4130-01-072-8271	20V2-105	98437	FILTER ELEMENT, AIR.....	EA	1
1	26	X8OZZ		SS720-20V	98437	PLATE.....	EA	1
1	27	X8OZZ		20V1-1P2	98437	COVER, ACCESS.....	EA	1
1	28	X8OZZ		20V2-108	98437	PLATE, INSTRUCTION.....	EA	1
1	29	X8OZZ		20V2-109	98437	PLATE, INSTRUCTION.....	EA	2
1	30	X8OZZ		20V1-1P4	98437	COVER, ACCESS.....	EA	1
1	31	X8OZZ		20V1-1P3	98437	COVER, ACCESS.....	EA	1
1	32	PAQZZ	5320-00-426-4916	1601-0613	19738	RIVET, BLIND.....	EA	22
1	33	X8OZZ		SS196	98437	INSULATOR, WASHER.....	EA	22
1	34	X8OZZ		20V5-6-2P5	98437	INSULATION BOARD.....	EA	2
1	35	X8OZZ		20V5-6-2P6	98437	INSULATION BOARD.....	EA	1
1	36	X8OZZ		20V5-6-2P4	98437	INSULATION BOARD.....	EA	1
1	37	X8OZZ		20V5-6-2P1	98437	INSULATION BOARD.....	EA	1
1	38	X8OZZ		20V5-6-2P2	98437	INSULATION BOARD.....	EA	1
1	39	X8OZZ		20V5-6-2P3	98437	INSULATION BOARD.....	EA	1
1	40	X8OZZ		20V5-6-2P7	98437	INSULATION BOARD.....	EA	1
1	41	X8OZZ		20V5-6-2P8	98437	INSULATION BOARD.....	EA	1

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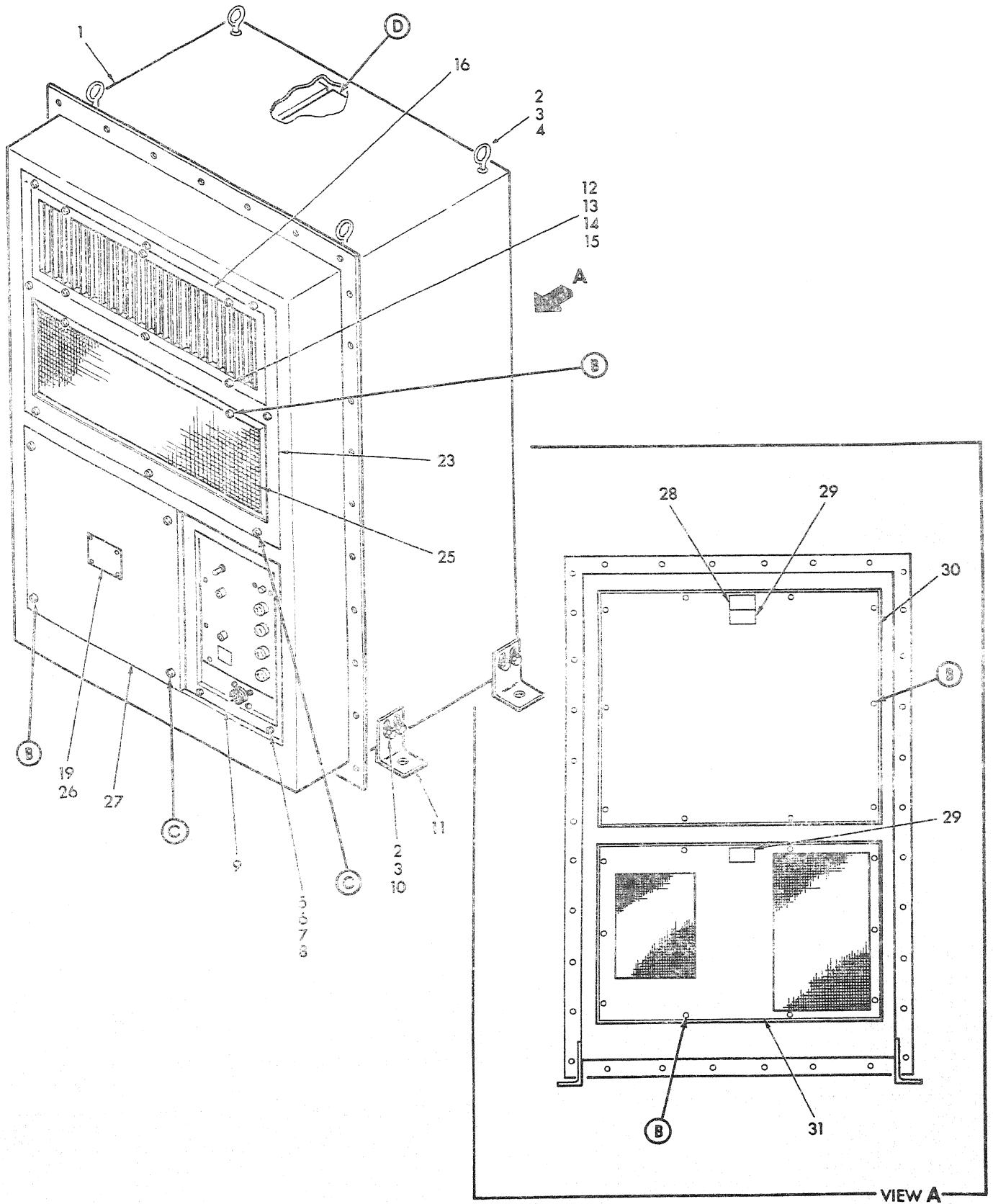
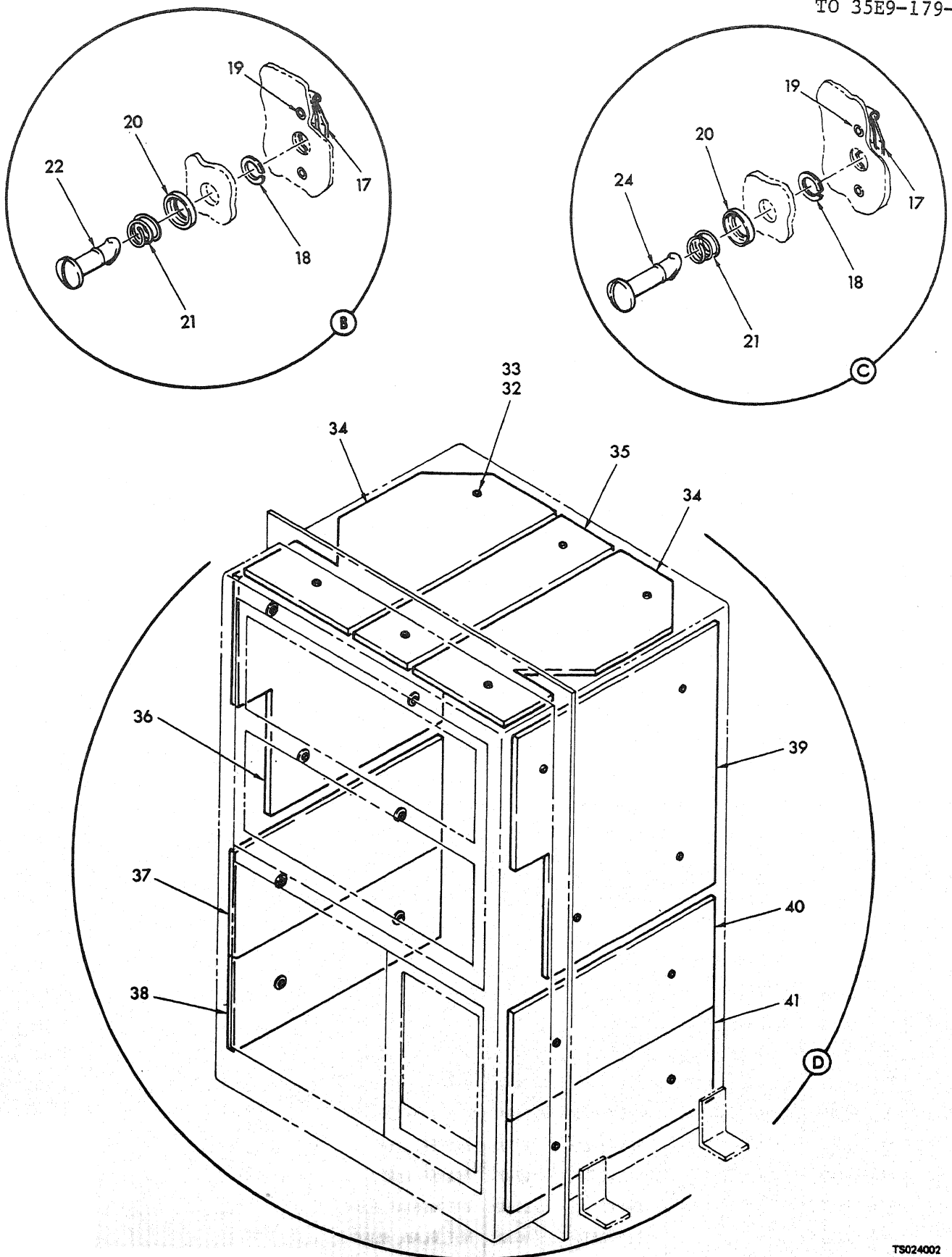


FIG 1. CHASSIS SECTION (SHEET 1 OF 2)

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TS024002

FIG 1. CHASSIS SECTION (SHEET 2 OF 2)



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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 02 CONTROL AND INDICATOR SECTION		
2	1	PAOZZ	5305-00-059-3660	MS51958-64	96906	SCREW, MACHINE .....	EA	8
2	2	PAOZZ	5310-00-933-8121	MS35338-139	96906	WASHER, LOCK .....	EA	10
2	3	PAOZZ	5310-00-550-5054	MS15795-809	96906	WASHER, FLAT .....	EA	10
2	4	PAOZZ	5310-01-009-9785	MS27130-20	96906	NUT, PLAIN, BLIND .....	EA	20
2	5	PAOZZ	5930-00-615-9367	MS35059-21	96906	SWITCH, TOGGLE ATTACHING HARDWARE SUPPLIED WITH SWITCH .....	EA	1
2	6	PAOZZ	5310-00-934-9765	MS35650-304	96906	NUT, PLAIN, HEXAGON .....	EA	2
2	7	PAOZZ	5925-00-077-8972	PDM5	73803	CIRCUIT BREAKER .....	EA	1
2	8	PAOZZ	5305-00-059-3662	MS51958-66	96906	SCREW, MACHINE .....	EA	2
2	9	PBOZZ	6110-00-994-8356	42555-300	04009	BUTTON, RESET ATTACHING HARDWARE SUPPLIED WITH RESET BUTTON .....	EA	2
2	10	PAOZZ	6210-00-583-0133	51901-153	72619	LIGHT, INDICATOR ATTACHING HARDWARE SUPPLIED WITH INDICATOR LIGHT .....	EA	1
2	11	PAOZZ	6240-00-143-3049	6S6	92966	LAMP, INCANDESCENT .....	EA	4
2	12	PAOZZ	6210-00-504-1093	51-0901-0112-201	72619	LIGHT INDICATOR ATTACHING HARDWARE SUPPLIED WITH INDICATOR LIGHT .....	EA	2
2	13	XBOZZ		20V2-108	98437	PLATE, INSTRUCTION .....	EA	1
2	14	PAOZZ	6210-00-299-5106	51-0901-0111-301	72619	LIGHT, INDICATOR ATTACHING HARDWARE SUPPLIED WITH INDICATOR LIGHT .....	EA	1
2	15	XBOZZ		20V4-1-1	98437	PLATE, MOUNTING .....	EA	1
2	16	PAOZZ	5310-00-934-9761	MS35649-64	96906	NUT, PLAIN, HEXAGON .....	EA	4
2	17	PAOZZ	5310-00-929-6395	MS35338-136	96906	WASHER, LOCK .....	EA	4
2	18	PAOZZ	5935-00-725-0869	MS3102E24-22P	96906	CONNECTOR .....	EA	1
2	19	PAOZZ	5305-00-062-6534	MS35233-31	96906	SCREW, MACHINE .....	EA	4
2	20	PAOZZ	5310-00-880-5976	MS15795-806	96906	WASHER, FLAT .....	EA	4
2	21	PAOZZ	5305-00-989-7435	MS35207-264	96906	SCREW, MACHINE .....	EA	12
2	22	PAOZZ	5310-00-809-8546	MS27183-8	96906	WASHER, FLAT .....	EA	12
2	23	PAOZZ	5945-00-008-4333	ACC330UM20	04009	RELAY, ARMATURE .....	EA	2
2	24	PAOZZ	5310-00-045-3296	MS35338-43	96906	WASHER, LOCK .....	EA	12
2	25	PAOZZ	5999-00-476-1037	42410	04009	HEATER, THERMAL .....	EA	2
2	26	PAOZZ	6110-01-006-6035	ACS3302U20	04009	STARTER, MOTOR .....	EA	2
2	27	PAOZZ	5999-00-383-2139	42008	04009	HEATER, THERMAL .....	EA	2
2	28	PAOZZ	5305-00-984-6196	MS35206-246	96906	SCREW, MACHINE .....	EA	4
2	29	PAOZZ	5310-00-045-3299	MS35338-42	96906	WASHER, LOCK .....	EA	4
2	30	PAOZZ	5310-00-809-8544	MS27183-7	96906	WASHER, FLAT .....	EA	4
2	31	PAFZZ	5930-00-786-3535	A36AHB3	92578	THERMOSTAT, FLOW .....	EA	1
2	32	PAOZZ		MS27130A14	96906	NUT, PLAIN, BLIND .....	EA	4

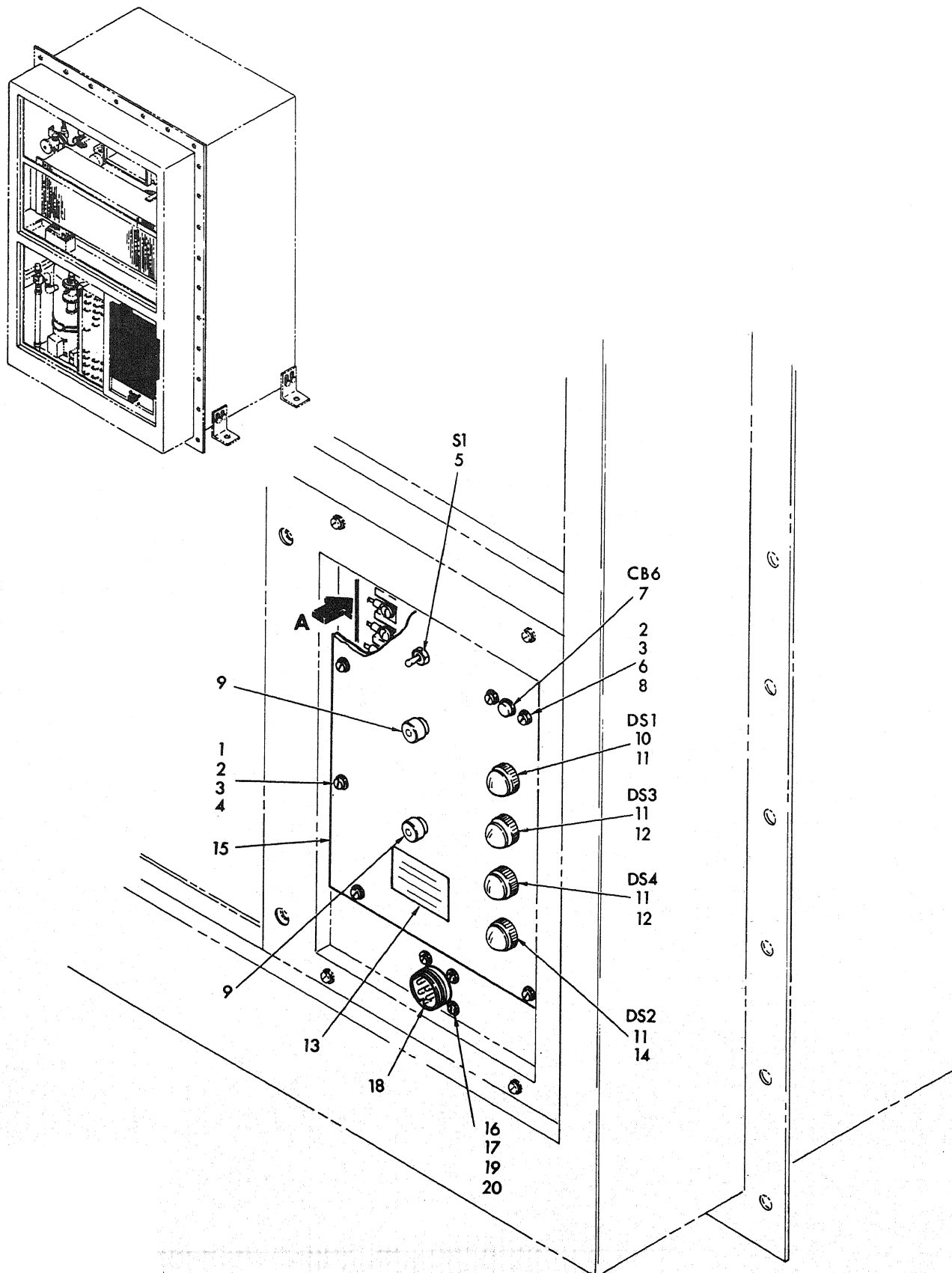


FIG 2. CONTROL AND INDICATOR SECTION (SHEET 1 OF 2)

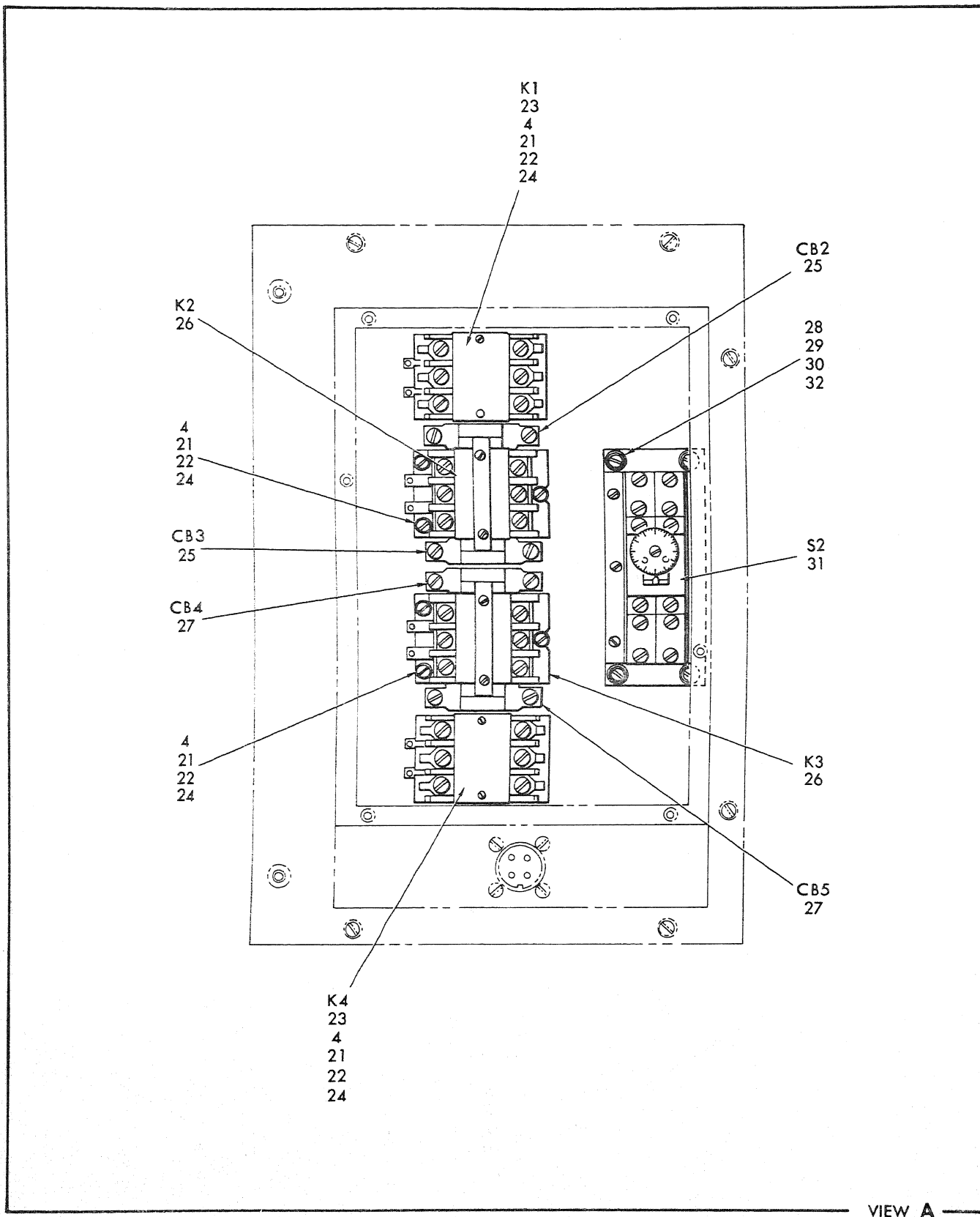


FIG 2. CONTROL AND INDICATOR SECTION (SHEET 2 OF 2)

TS024004

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
GROUP 03 CONDENSER FAN AND MOTOR SECTION								
3	1	P8QZZ		AK544-3/4	71170	PULLEY,GROOVE.....	EA	1
3	2	PAQZZ		AP36	71170	BELT,POWER.....	EA	1
3	3	P8QZZ		1VP44-5-8	71170	PULLEY,GROOVE.....	EA	1
3	4	X8QZZ		20V2-108	98437	PLATE,INSTRUCTION.....	EA	1
3	5	PAQZZ	5310-00-984-3806	MS51922-9	90900	NUT,SELF-LOCKING.....	EA	8
3	6	PAQZZ	5310-00-087-7493	MS27183-13	90900	WASHER,FLAT.....	EA	8
3	7	PAQZZ	6105-00-377-8115	RM3154	05472	MOTOR,ALTERNATING.....	EA	1
3	8	PAQZZ	5310-00-809-4061	MS27183-15	90900	WASHER,FLAT.....	EA	4
3	9	PAQZZ	5340-00-070-2064	AR151	35197	MOUNT,RESILIENT.....	EA	8
3	10	PAQZZ	5306-00-225-8501	MS90725-37	90900	SCREW,MACHINE.....	EA	4
3	11	PAQZZ		20V2-101M1	98437	FAN,CENTRIFUGAL.....	EA	1
3	12	X8FZZ		F3U	22330	TUBE,FITTING,FLEX.....	EA	1
3	13	X8FZZ	4730-00-821-3037	W2321	41947	ELBOW,TUBE.....	EA	8
3	14	X8FZZ	4730-00-821-9184	W40350	41947	TEE,TUBE.....	EA	1
3	15	X8FZZ	4730-00-839-0380	W2320	41947	ELBOW,TUBE.....	EA	2
3	16	PAFZZ	4730-00-822-1277	W1715	41947	BUSHING,SLEEVE.....	EA	1
3	17	X8FZZ	4730-00-254-6450	W2022	41947	ELBOW,TUBE.....	EA	3
3	18	PAFZZ	4730-00-251-1377	W1720	41947	BUSHING,SLEEVE.....	EA	1
3	19	X8FZZ	4730-00-345-1100	W4001	41947	TEE,TUBE.....	EA	2
3	20	X8FZZ		W2917	41947	ELBOW,TUBE.....	EA	3
3	21	X8FZZ	4730-00-027-0773	W2334	41947	ELBOW,TUBE.....	EA	1

TM 5-4120-343-24P  
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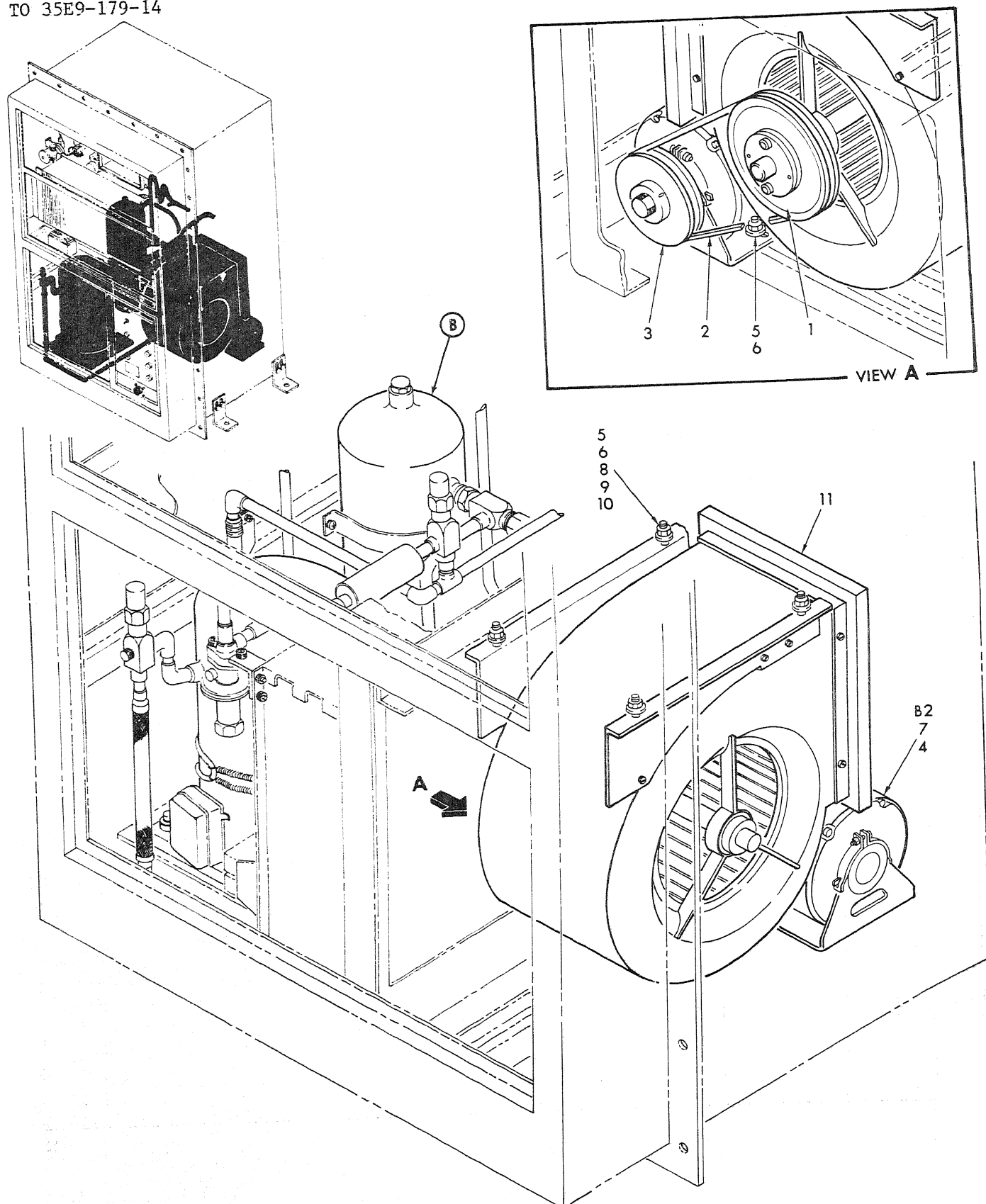


FIG 3. CONDENSER FAN AND MOTOR SECTION (SHEET 1 OF 2)

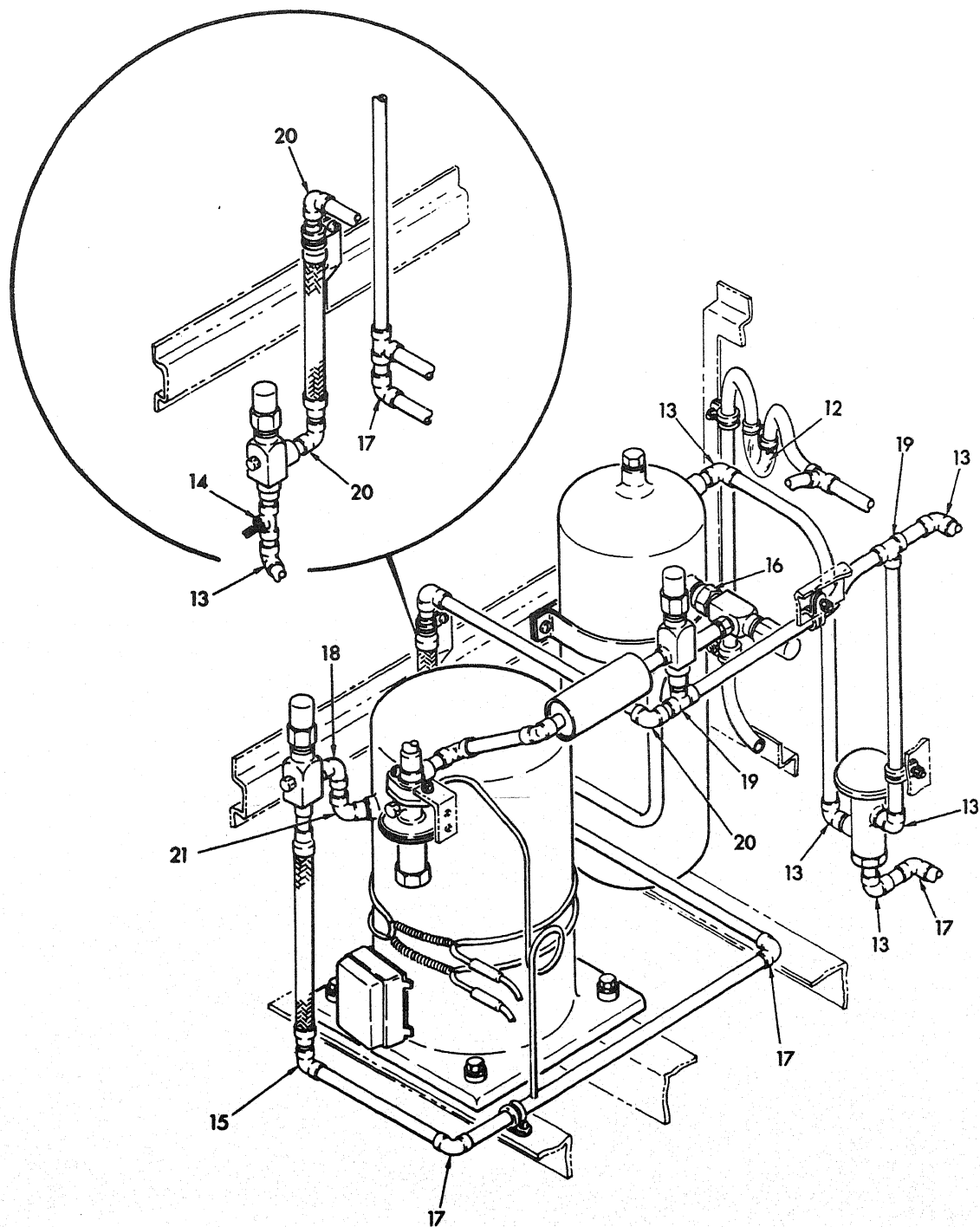


FIG 3. CONDENSER FAN AND MOTOR SECTION (SHEET 2 OF 2)

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
GROUP 04 COMPRESSOR SECTION								
4	1	PAOZZ	5310-00-877-5797	MS21044N3	70700	NUT, PLAIN, BLIND.....	EA	7
4	2	PAOZZ	5305-00-984-7341	MS35191-273	70700	SCREW, MACHINE.....	EA	1
4	3	PAOZZ	5340-00-009-0506	MS21105-7	70700	CLAMP, LOOP.....	EA	
4	4	PAFZZ	5340-00-905-4002	A14021	71747	PLUG, FUSIBLE.....	EA	
4	5	PAOZZ	5310-01-009-9785	MS27130-20	70700	NUT, PLAIN, BLIND.....	EA	
4	6	PAOZZ	5305-00-993-1848	MS35207-265	70700	SCREW, MACHINE.....	EA	
4	7	PAOZZ	5310-00-809-8540	MS27183-8	70700	WASHER, FLAT.....	EA	
4	8	PAOZZ	5310-00-045-3296	MS35338-43	70700	WASHER, LOCK.....	EA	
4	9	PAOZZ	5305-00-068-0501	MS90725-5	70700	SCREW, MACHINE.....	EA	
4	10	PAOZZ	5310-00-582-5565	MS35338-44	70700	WASHER, LOCK.....	EA	
4	11	PAOZZ	5310-00-809-4058	MS27183-10	70700	WASHER, FLAT.....	EA	
4	12	XBFZZ		20V2-2P7	70437	BRACKET, RECEIVER.....	EA	
4	13	PAOZZ	5310-00-959-1488	MS51922-21	70700	NUT, PLAIN.....	EA	
4	14	PAOZZ	5310-00-809-4061	MS27183-15	70700	WASHER, FLAT.....	EA	
4	15	PBFZZ		L618	87034	RECEIVER, LIQUID.....	EA	
4	16	PAOZZ	4820-01-065-2000	HP8548	70205	VALVE, REGULATING.....	EA	
4	17	PAOZZ	5305-00-989-7435	MS35207-264	70700	SCREW, MACHINE.....	EA	
4	18	PBFZZ	4820-00-869-3261	NC3-10	70437	VALVE, CROSS.....	EA	
4	19	XBFZZ		20V5H3	70437	BRACKET, DOUBLE.....	EA	
4	20	PAOZZ	5310-00-141-3042	MS27130A26	70700	NUT, PLAIN, BLIND.....	EA	
4	21	PBFZZ		NS0224	78402	STRAINER, SEDIMENT.....	EA	
4	22	PAOZZ	5340-00-497-5880	AN742-12C	08044	CLAMP, LOOP.....	EA	
4	23	PAFZZ	4720-00-059-3701	VAF4	77089	HOSE ASSEMBLY, METAL.....	EA	
4	24	PAFZZ	4820-00-590-8654	CP4435H	70205	VALVE, REGULATING.....	EA	
4	25	XBFZZ		20V524	70437	BRACKET, ANGLE.....	EA	
4	26	PAFZZ	4720-00-009-7279	B2-4-3C	70437	HOSE ASSEMBLY, METAL.....	EA	
4	27	PAFZZ	4520-00-537-5955	018-0018-00	14505	HEATER, CRANKCASE.....	EA	
4	28	PAOZZ	5306-00-225-8505	MS90725-41	70700	SCREW, MACHINE.....	EA	
4	29	PAOZZ	5310-00-167-0767	AN970-5	08044	WASHER, LOCK.....	EA	
4	30	PAOZZ	5310-00-087-7493	MS27183-13	70700	WASHER, FLAT.....	EA	
4	31	PAFZZ	4130-01-068-5302	1423-1M1	70437	COMPRESSOR.....	EA	
4	32	PAOZZ	5310-00-984-3806	MS51922-9	70700	NUT, SELF-LOCKING.....	EA	
4	33	PAFZZ	5930-00-064-3207	AP20-4016	00625	SWITCH, PRESSURE.....	EA	
4	34	PAFZZ	5930-00-063-7779	AP21-4013	00625	SWITCH, PRESSURE.....	EA	
4	35	PAFZZ	4130-01-072-8321	20V3-2	70437	COIL, CONDENSER.....	EA	

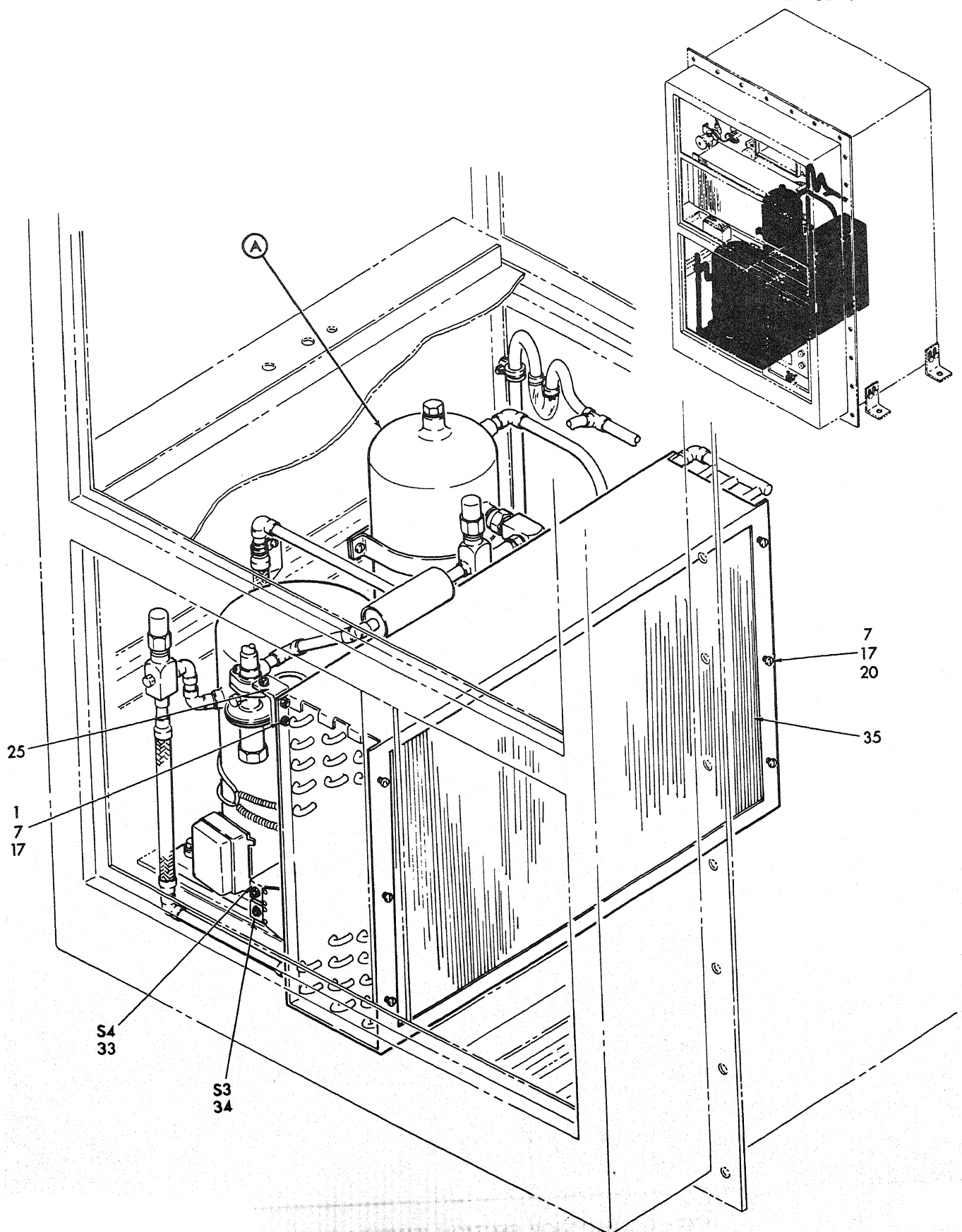


FIG 4. COMPRESSOR SECTION (SHEET 1 OF 2)



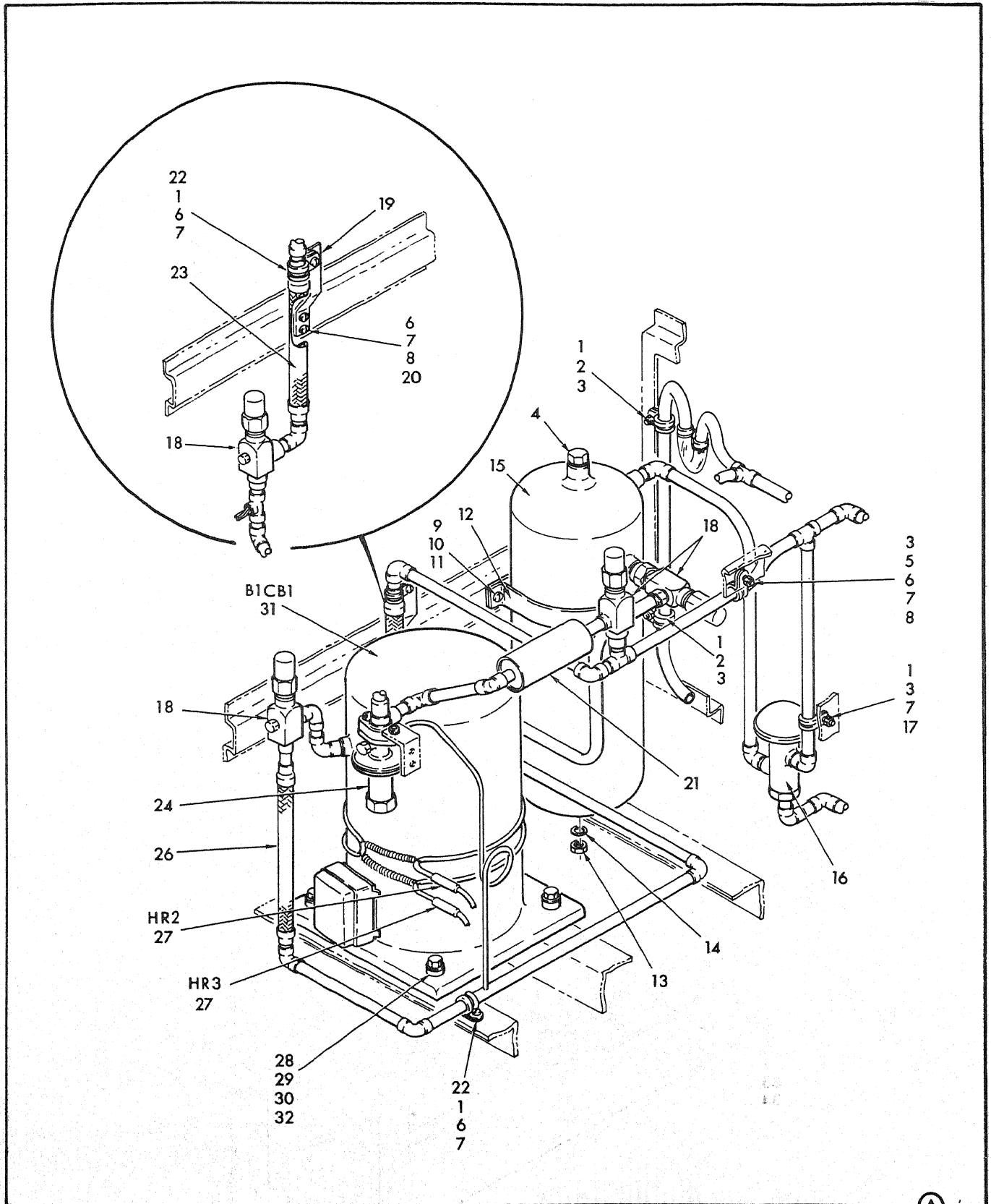


FIG 4. COMPRESSOR SECTION (SHEET 2 OF 2)

TS024008

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 05 EVAPURATOR SECTION		
5	1	PAQZZ	5306-00-225-8501	MS90725-37	96906	SCREW, MACHINE.....	EA	4
5	2	PAQZZ	5310-00-984-3806	MS51922-9	96906	NUT, SELF-LOCKING.....	EA	8
5	3	PAQZZ	5310-00-809-4061	MS27183-15	96906	WASHER, FLAT.....	EA	4
5	4	PAQZZ	5310-00-087-7493	MS27183-13	96906	WASHER, FLAT.....	EA	12
5	5	PAQZZ	5340-00-070-2064	AR151	35197	MOUNT, RESILIENT.....	EA	8
5	6	PAQZZ		6F2-3M1	98437	FAN, CENTRIFUGAL.....	EA	1
5	7	PAQZZ	3030-00-580-9527	AP42	71176	BELT, POWER.....	EA	1
5	8	PBQZZ		AK64H	71176	PULLEY, GROOVE.....	EA	1
5	9	PBQZZ		1VP44-5-8	71176	PULLEY, GROOVE.....	EA	1
5	10	PAQZZ		RM3108	05472	MOTOR, ALTERNATING.....	EA	1
5	11	PAQZZ	5305-00-543-4346	MS35234-30	96906	SCREW, MACHINE.....	EA	2
5	12	PAQZZ	5310-00-934-5755	MS35650-362	96906	NUT, PLAIN, HEXAGON.....	EA	2
5	13	PAQZZ	5310-00-045-4007	MS35338-41	96906	WASHER, LOCK.....	EA	2
5	14	PAQZZ	5310-00-782-1349	MS15795-804	96906	WASHER, FLAT.....	EA	2
5	15	PAFZ	5930-00-842-3378	GY5-3	98437	SWITCH, THERMOSTATIC.....	EA	1
5	16	PAQZZ	5305-00-993-1648	MS35207-265	96906	SCREW, MACHINE.....	EA	19
5	17	PAQZZ	5310-01-009-9785	MS27130-20	96906	NUT, PLAIN, BLIND.....	EA	24
5	18	PAQZZ	5310-00-809-8546	MS27183-8	96906	WASHER, FLAT.....	EA	41
5	19	XBFZZ		20V5311	98437	BRACKET, SWITCH.....	EA	1
5	20	PAQZZ	5305-00-989-7435	MS35207-264	96906	SCREW, MACHINE.....	EA	5
5	21	PAQZZ	5310-00-045-3296	MS35338-43	96906	WASHER, LOCK.....	EA	23
5	22	PAQZZ		MW2-10-3	98437	CLAMP, LOOP.....	EA	3
5	23	XBFZZ		20V2-2P6	98437	BRACKET, ANGLE.....	EA	1
5	24	XBFZZ		20V2-2P5	98437	BRACKET, ANGLE.....	EA	1
5	25	PAQZZ	4540-01-065-6359	268A5F268W	74924	HEATER, SPACE.....	EA	3
5	26	XBQZZ		20V2-108	98437	PLATE, INSTRUCTION.....	EA	1
5	27	PAQZZ		MS35224-63	96906	SCREW, MACHINE.....	EA	2
5	28	PAQZZ	5310-00-877-5757	MS21044N3	96906	NUT, PLAIN, BLIND.....	EA	12
5	29	PAQZZ	5340-00-559-6128	AN742-4C	88044	CLAMP, LOOP.....	EA	2
5	30	PAQZZ	5340-00-104-7581	MS21104C4	96906	CLAMP, LOOP.....	EA	1
5	31	PAQZZ	5340-00-497-9880	AN742-12C	88044	CLAMP, LOOP.....	EA	2
5	32	PAQZZ	5305-00-993-1851	MS35207-267	96906	SCREW, MACHINE.....	EA	4
5	33	PAFZZ	4810-00-881-3005	200R4S3T	70255	VALVE, SOLENOID.....	EA	1
5	34	XBFZZ	4730-00-263-6460	W4000	41947	TEE, TUBE.....	EA	1
5	35	PAFZZ		AM115S3	70255	INDICATOR, LIQUID.....	EA	1
5	36	XBFZZ	4730-00-277-7522	W2312	41947	ELBOW, TUBE.....	EA	1
5	37	PAQZZ	5305-00-984-7341	MS35191-273	96906	SCREW, MACHINE.....	EA	1
5	38	PAFZZ	4130-00-871-5633	ADK163S	70255	DEHYDRATOR.....	EA	1
5	39	XBFZZ		SS107	98437	BRACKET, CLAMP.....	EA	1

TM 5-4120-343-24P  
TO 35B9-179-14

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
5	40	XBFZZ	4730-00-263-6471	W4007	41947	TEE,TUBE.....	EA	1
5	41	PAFZZ		LCL2A	70255	VALVE,EXPANSION.....	EA	1
5	42	XBFZZ	4730-00-254-6450	W2022	41947	ELBOW,TUBE.....	EA	7
5	43	PAFZZ	4730-00-809-9669	W1717	41947	BUSHING,SLEEVE.....	EA	1
5	44	XBFZZ	4730-00-989-1503	W4043	41947	TEE,TUBE.....	EA	2
5	45	XBFZZ	4730-00-839-6380	W2326	41947	ELBOW,TUBE.....	EA	3
5	46	XBFZZ	4730-00-263-6472	W4006	41947	TEE,TUBE.....	EA	1
5	47	PAOZZ	5305-00-989-6265	MS35207-262	96906	SCREW,MACHINE.....	EA	2
5	48	XBFZZ		20V2-110	98437	BRACKET.....	EA	1
5	49	XBFZZ		1620-3-3-16-2	78462	DISTRIBUTOR.....	EA	1
5	50	PAFZZ		TCLE200HML0J	70255	VALVE,EXPANSION.....	EA	1
5	51	XBOZZ		20V2-2P9	98437	DAMPENER,FLUID.....	EA	1
5	52	PAFZZ		20V3-7	98437	COIL,EVAPORATOR.....	EA	1
5	53	PAOZZ	5340-00-009-0506	MS21105-7	96906	CLAMP,LOOP.....	EA	4
5	54	PAOZZ	5305-00-995-3441	MS35207-269	96906	SCREW,MACHINE.....	EA	2
5	55	PAOZZ	4130-01-072-8272	20V2-106	98437	FILTER ELEMENT,AIR.....	EA	1
						GROUP 06 BULK MATERIALS LIST		
		PAFZZ	5999-00-937-5824	26106	07700	SHIELDING GASKET.....	FT	19
		PAFZZ	6145-00-578-7514	M5086-2-12-9	81349	WIRE,ELECTRICAL.....	FT	265
		PAFZZ	6145-00-578-6602	M5086-2-18-9	81349	WIRE,ELECTRICAL.....	FT	105
		PAFZZ	7510-00-031-7498	NDT30	82814	TAPE,PRESSURE.....	FT	50
		PAFZZ	4710-00-203-3173	WWT775-1-200XR03 2 WALL	81348	TUBE,COPPER.....	FT	9
		PAFZZ	4710-00-203-3171	WWT775-1-400XR03 0 WALL	81348	TUBE,COPPER.....	FT	4
		PAFZZ	4710-00-203-3172	WWT775-3-800XR03 2 WALL	81348	TUBE,COPPER.....	FT	2
		PAFZZ	4710-00-203-3174	WWT775-5-800XR03 5 WALL	81348	TUBE,COPPER.....	FT	11
		PAFZZ		WWT799TYPELF ORMA CL2-7-8	81348	TUBE,COPPER.....	FT	2

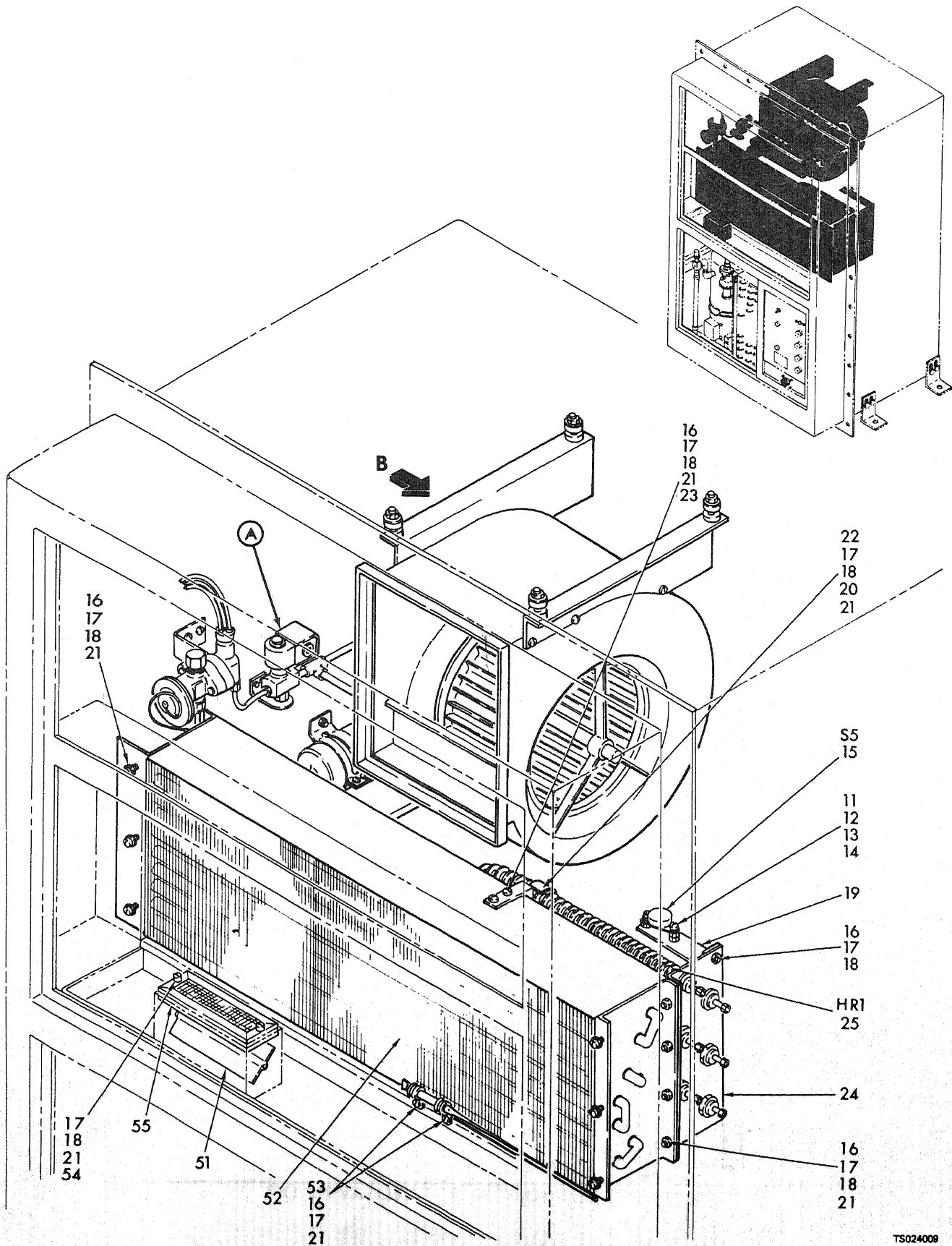
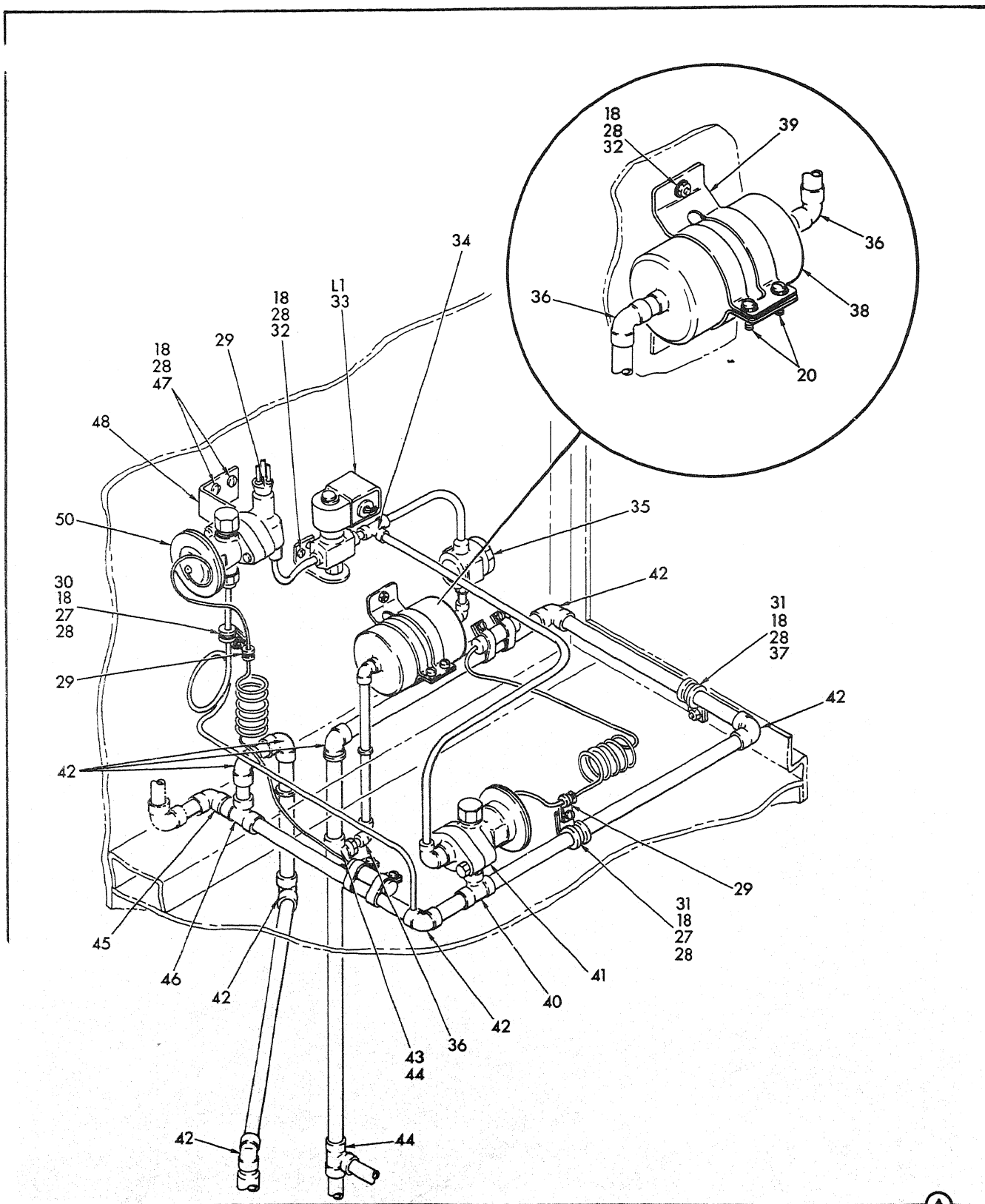


FIG 5. EVAPORATOR SECTION (SHEET 1 OF 3)



(A)

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FIG 5. EVAPORATOR SECTION (SHEET 2 OF 3)

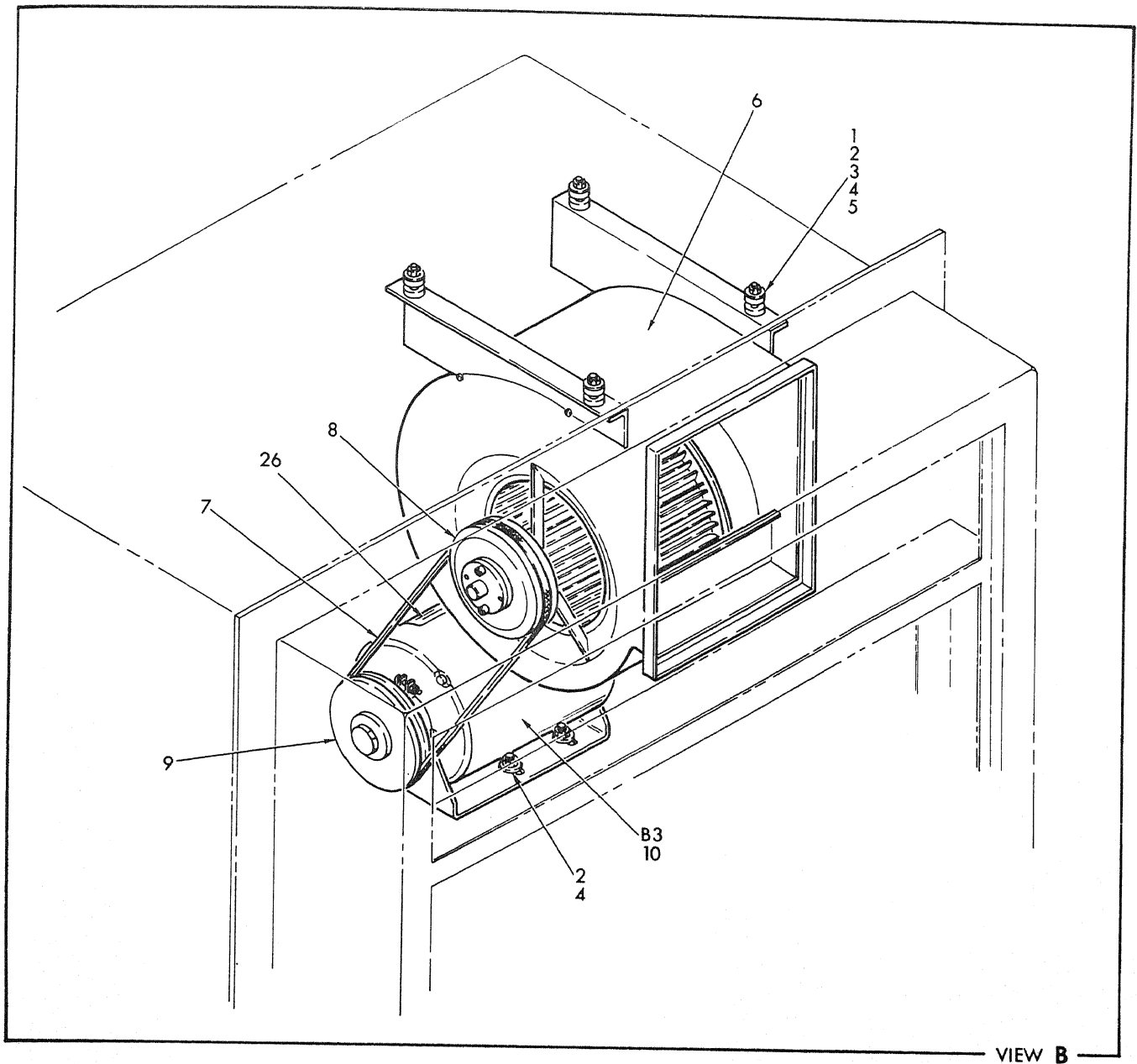


FIG 5. EVAPORATOR SECTION (SHEET 3 OF 3)



# SECTION IV. NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5945-00-008-4333	2	23	5930-00-615-9367	2	5
5340-00-009-0506	4	3	6210-00-683-0133	2	10
5340-00-009-0506	5	53	5935-00-725-0889	2	18
4720-00-009-7279	4	26	5310-00-777-6032	1	20
4730-00-027-0773	3	21	5310-00-782-1349	5	14
7510-00-031-7498			5930-00-786-3535	2	31
5310-00-045-3296	1	13	5310-00-809-4058	4	11
5310-00-045-3296	2	24	5310-00-809-4061	3	8
5310-00-045-3296	4	8	5310-00-809-4061	4	14
5310-00-045-3296	5	21	5310-00-809-4061	5	3
5310-00-045-3299	2	29	5310-00-809-8544	2	30
5310-00-045-4007	5	13	5310-00-809-8546	1	14
5305-00-059-3660	2	1	5310-00-809-8546	2	22
5305-00-059-3662	2	8	5310-00-809-8546	4	7
4720-00-059-3701	4	23	5310-00-809-8546	5	18
5930-00-063-7779	4	34	4730-00-809-9669	5	43
5930-00-064-3207	4	33	4730-00-821-3037	3	13
5305-00-068-0501	4	9	4730-00-821-9184	3	14
5305-00-068-6534	2	19	4730-00-822-1277	3	16
5340-00-070-2064	3	9	5365-00-838-0422	1	18
5340-00-070-2064	5	5	4730-00-839-6380	3	15
5925-00-077-8972	2	7	4730-00-839-6380	5	45
5310-00-087-7493	1	3	5930-00-842-3378	5	15
5310-00-087-7493	3	6	4820-00-869-3261	4	18
5310-00-087-7493	4	30	4130-00-871-5633	5	38
5340-00-104-7581	5	4	5310-00-877-5797	4	1
5310-00-141-3062	5	30	5310-00-877-5797	5	28
5310-00-141-3062	1	5	5310-00-880-5976	2	20
6240-00-143-3049	4	20	4810-00-881-3005	5	33
5310-00-167-0767	2	11	5340-00-905-4002	4	4
4710-00-203-3171	4	29	5310-00-929-6395	2	17
4710-00-203-3172			5310-00-933-8121	1	7
4710-00-203-3173			5310-00-933-8121	2	2
4710-00-203-3174			5310-00-934-9755	5	12
5306-00-225-8501	3	10	5310-00-934-9761	2	16
5306-00-225-8501	5	1	5310-00-934-9765	2	6
5306-00-225-8505	4	28	5999-00-937-5824		
5305-00-225-9081	1	10	5310-00-959-1488	4	13
5305-00-247-1325	1	8	5310-00-984-3806	1	2
4730-00-251-1377	3	18	5310-00-984-3806	3	5
4730-00-254-6450	3	17	5310-00-984-3806	4	32
4730-00-254-6450	5	42	5310-00-984-3806	5	2
4730-00-263-6460	5	34	5305-00-984-6196	2	28
4730-00-263-6471	5	40	5305-00-984-7341	4	2
4730-00-263-6472	5	46	5305-00-984-7341	5	37
4730-00-277-7922	5	36	4730-00-989-1903	5	44
5325-00-282-7471	1	17	5305-00-989-6265	5	47
6210-00-299-5106	2	14	5305-00-989-7435	2	21
4730-00-345-1106	3	19	5305-00-989-7435	4	17
6105-00-377-8115	3	7	5305-00-989-7435	5	20
5999-00-383-2139	2	27	5305-00-993-1848	1	15
5325-00-410-3130	1	21	5305-00-993-1848	4	6
5320-00-426-4916	1	32	5305-00-993-1848	5	16
5999-00-476-1037	2	25	5305-00-993-1851	5	32
5340-00-497-9880	4	22	6110-00-994-8356	2	9
5340-00-497-9880	5	31	5305-00-995-3441	5	54
6210-00-504-1093	2	12	6110-01-006-6035	2	26
4520-00-537-5965	4	27	5310-01-009-9785	1	12
5305-00-543-4346	5	11	5310-01-009-9785	2	4
5310-00-550-5054	1	6	5310-01-009-9785	4	5
5310-00-550-5054	2	3	5310-01-009-9785	5	17
5340-00-559-6128	5	29	5325-01-021-1121	1	22
6145-00-578-6602			5325-01-021-1928	1	24
6145-00-578-7514			4820-01-065-2000	4	16
3030-00-580-9527	5	7	4540-01-065-6359	5	25
5320-00-582-3522	1	19	4130-01-068-5302	4	31
5310-00-582-5965	4	10	4130-01-072-8271	1	25
4820-00-590-8654	4	24	4130-01-072-8272	5	55
			4130-01-072-8321	4	35

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
ACC330UM20	04009	2	23	AN742-12C	88044	4	22
AC53302U20	04009	2	26	AN742-12C	88044	5	31
ADK163S	70255	5	38	AN742-4C	88044	5	29
AK54H-3/4	71176	3	1	AN970-5	88044	4	29
AK64H	71176	5	8	AP20-4016	80625	4	33
AM11SS3	70255	5	35	AP21-4013	80625	4	34



SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
AP 36	71176	3	2	MS51958-66	96906	2	8
AP 42	71176	5	7	MS90725-36	96906	1	10
AR 151	35197	3	9	MS90725-37	96906	3	10
AR 151	35197	5	5	MS90725-37	96906	5	1
A14021	41947	4	4	MS90725-41	96906	4	28
A36AHB 3	92578	2	31	MS90725-5	96906	4	9
B2-4-3C	98437	4	26	MW2-10-3	98437	5	22
CPRH35H	70255	4	24	M5086-2-12-9	81349		
DANIEL S621L	71747	1	4	M5086-2-18-9	81349		
F3U	22336	3	12	NC3-10	98437	4	18
GY5-3	98437	5	15	NDT30	82814		
HP 8548	70255	4	16	NS0224	78462	4	21
LCL2A	70255	5	41	PDM5	73803	2	7
L618	87531	4	15	RM3108	05472	5	10
MS15795-804	96906	5	14	RM3154	05472	3	7
MS15795-806	96906	2	20	SS107	98437	5	39
MS15795-809	96906	1	6	SS196	98437	1	33
MS15795-809	96906	2	3	SS720-20V	98437	1	26
MS21044N3	96906	4	1	TCLE200HW100	70255	5	50
MS21044N3	96906	5	28	VAF4	77089	4	23
MS21104C4	96906	5	30	WMT775-1-200XR032WALL	81348		
MS21105-7	96906	4	3	WMT775-1-400XR030WALL	81348		
MS21105-7	96906	5	53	WMT775-3-800XR032WALL	81348		
MS27130-20	96906	1	12	WMT775-5-800XR035WALL	81348		
MS27130-20	96906	2	4	WMT799TYPELFORMAC12-7-8	81348		
MS27130-20	96906	4	5	W1715	41947	3	16
MS27130-20	96906	5	17	W1717	41947	5	43
MS27130A14	96906	2	32	W1726	41947	3	18
MS27130A26	96906	1	5	W2022	41947	3	17
MS27130A26	96906	4	20	W2022	41947	5	42
MS27183-10	96906	4	11	W2312	41947	5	36
MS27183-13	96906	1	3	W2321	41947	3	13
MS27183-13	96906	3	6	W2326	41947	3	15
MS27183-13	96906	4	30	W2326	41947	5	45
MS27183-13	96906	5	4	W2334	41947	3	21
MS27183-15	96906	3	8	W2817	41947	3	20
MS27183-15	96906	4	14	W4000	41947	5	34
MS27183-15	96906	5	3	W4001	41947	3	19
MS27183-7	96906	2	30	W4006	41947	5	46
MS27183-8	96906	1	14	W4007	41947	5	40
MS27183-8	96906	2	22	W40350	41947	3	14
MS27183-8	96906	4	7	W4043	41947	5	44
MS27183-8	96906	5	18	018-0018-00	14569	4	27
MS3102E24-22P	96906	2	18	1VP44-5-8	71176	3	3
MS35059-21	96906	2	5	1VP44-5-8	71176	5	9
MS35191-273	96906	4	2	14-18-150-24	94222	1	21
MS35191-273	96906	5	37	1423-1M1	98437	4	31
MS35206-248	96906	2	28	1601-0410	19738	1	19
MS35207-262	96906	5	47	1601-0613	19738	1	32
MS35207-264	96906	2	21	1620-3-3-16-2	78462	5	49
MS35207-264	96906	4	17	20V1-1P1	98437	1	23
MS35207-264	96906	5	20	20V1-1P2	98437	1	27
MS35207-265	96906	1	15	20V1-1P3	98437	1	31
MS35207-265	96906	4	6	20V1-1P4	98437	1	30
MS35207-265	96906	5	16	20V2-1	98437	1	1
MS35207-267	96906	5	32	20V2-101M1	98437	3	11
MS35207-269	96906	5	54	20V2-105	98437	1	25
MS35224-63	96906	5	27	20V2-106	98437	5	55
MS35233-31	96906	2	19	20V2-107M1	98437	1	16
MS35234-30	96906	5	11	20V2-108	98437	1	28
MS35234-65	96906	1	8	20V2-108	98437	2	13
MS35338-136	96906	2	17	20V2-108	98437	3	4
MS35338-139	96906	1	7	20V2-109	98437	5	26
MS35338-139	96906	2	2	20V2-109	98437	1	29
MS35338-41	96906	5	13	20V2-110	98437	5	48
MS35338-42	96906	2	29	20V2-2P1	98437	1	9
MS35338-43	96906	1	13	20V2-2P5	98437	5	24
MS35338-43	96906	2	24	20V2-2P6	98437	5	23
MS35338-43	96906	4	8	20V2-2P7	98437	4	12
MS35338-43	96906	5	21	20V2-2P8	98437	1	11
MS35338-44	96906	4	10	20V2-2P9	98437	5	51
MS35649-64	96906	2	16	20V3-2	98437	4	35
MS35650-304	96906	2	6	20V3-7	98437	5	52
MS35650-362	96906	5	12	20V4-1-1	98437	2	15
MS51922-21	96906	4	13	20V5-6-2P1	98437	1	37
MS51922-9	96906	1	2	20V5-6-2P2	98437	1	38
MS51922-9	96906	3	5	20V5-6-2P3	98437	1	39
MS51922-9	96906	4	32	20V5-6-2P4	98437	1	36
MS51922-9	96906	5	2	20V5-6-2P5	98437	1	34
MS51958-64	96906	2	1	20V5-6-2P6	98437	1	35

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
20V5-6-2P7	98437	1	40	51-0901-0111-301	72619	2	14
20V5-6-2P8	98437	1	41	51-0901-0112-201	72619	2	12
20V524	98437	4	25	51901-135	72619	2	10
20V5311	98437	5	19	6F2-3M1	98437	5	6
20V583	98437	4	19	6S6	65083	2	11
200R4S3T	70255	5	33	85-11-1100-16	94222	1	24
268A5F268W	74924	5	25	85-11-980-16	94222	1	22
26106	07700			85-34-101-17	94222	1	18
42008	04009	2	27	85-35-295-15	94222	1	17
42410	04009	2	25	85-46-101-39	94222	1	20
42555-300	04009	2	9				



By Order of the Secretaries of the Army and the Air Force:

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*Chief of Staff*

J. C. PENNINGTON  
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# SOMETHING WRONG WITH THIS MANUAL?

THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM, TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

PFC JOHN DOE  
COA, 3<sup>d</sup> ENGINEER BN  
FT. LEONARD WOOD MO 63105

DATE

PUBLICATION NUMBER

TM 5-4120-343-24P

DATE

13 Jun 79

TITLE

AIR CONDITIONER, 25,000 BTU  
NSN 4120-01-220-6883

BE EXACT...PIN-POINT WHERE IT IS

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
6	2-1 a		
81		4-3	
125	line 20		

In line 6 of paragraph 2-1a the manual states the engine has 6 cylinders. The engine on my set only has 4 cylinders. Change the manual to show 4 cylinders.

Callout 16 on figure 4-3 is pointing at a bolt. In the key to fig. 4-3, item 16 is called a shim. Please correct one or the other.

Ordered a gasket, item 19 on figure B-16 by NSN 2910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN.

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

JOHN DOE, PFC (268) 317-7111

SIGN HERE:

John Doe

DA

FORM

AUG 74

2028-2 (TEST)

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR MANUAL, "FIND" NAME  
A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.  
DRSTS-M Overprint 1, 1 Nov 78

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FILL IN YOUR  
UNIT'S ADDRESS

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FOLD BACK

TEAR ALONG DOTTED LINE

# The Metric System and Equivalents

## Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

## Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

## Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.82 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

## Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

## Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic yards	cubic yards	1.308
pints	liters	.473	fluid ounces	liters	.034
quarts	liters	.946	pints	quarts	2.113
gallons	liters	3.785	quarts	gallons	1.057
ounces	grams	28.349	gallons	ounces	.264
pounds	kilograms	.454	ounces	pounds	.035
short tons	metric tons	.907	pounds	short tons	2.205
pound-feet	newton-meters	1.356			1.102
pound-inches	newton-meters	.11375			

## Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature
----	------------------------	----------------------------	---------------------